

**SINGER MODEL 81-RP
PRESSURE RELIEF PILOT
DRAWING A0661C**

DESCRIPTION:

Model 81-RP is a normally closed pilot that opens when the control pressure below the diaphragm exceeds the force of the spring.

INSTALLATION:

1. Flush system of all foreign matter before installing the valve.
2. The valve can be installed in any position.
3. Check direction of flow and install the valve accordingly. Refer to enclosed schematic and check the arrow in the valve body.
4. Connect control tubing from the sensing connection of the valve to the point of control. Refer to enclosed schematic.

ADJUSTING PROCEDURE:

1. Loosen the locknut.
2. Turn the adjusting screw clockwise for increased setting, counterclockwise for reduced setting.
3. Lock adjustment by tightening adjusting screw locknut.

SERVICE SUGGESTIONS:

FAILS TO OPEN

| POSSIBLE CAUSE | REMEDY |
|---------------------------|---------------------|
| Spring overset | Decrease setting |
| Foreign material in valve | Dismantle and clean |
| Diaphragm ruptured | Replace diaphragm |

FAILS TO CLOSE

| | |
|---------------------------|---------------------|
| Spring underset | Increase setting |
| Foreign material in valve | Dismantle and clean |